

- OEM pressure sensor, pressure transmitters, melt pressure transmitters
- Intelligent pressure transmitters, differential pressure transmitters
- Hydraulic level transmitters
- Temperature sensors
- Load cells, load pins, force transducers
- Metal foil strain gauges, semiconductor strain gauges

## PROZA PZL830 Electrode Level Sensor



### Introduction:

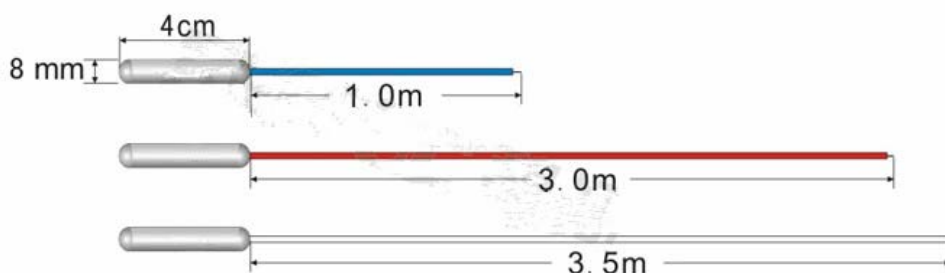
PZL830 electrode level sensor is designed for hot water level signal acquisition in a tank. It will get an excellent result when worked with PROZA water level controller. The 316 stainless steel probe makes it not rust off. After a special and complex manufacturing process, the probe and wire get firmly connected, that make sure the sensor can effectively withstand the extraction force during installation. The use of the level sensor can effectively ensure the reliable operation of hot water engineering equipment.

The level sensor has three signal wires in three different colors which can withstand temperature up to 105 °C. The length of these signal wires are different: (blue) 1.0m, (red) 3.0m, (white) 3.5m. These wires are matched respectively with the upper limit, lower limit of liquid level and the public pole.

### Specifications:

Parameter	Data
Probe material	316SS
Signal wires	Withstand temperature up to 105 °C.
Signal wires length	blue 1.0m, red 3.0m, white 3.5m
The efficient extended length of the signal wires	can be extended to 100m.
Weight	0.104kg

### Dimensions:



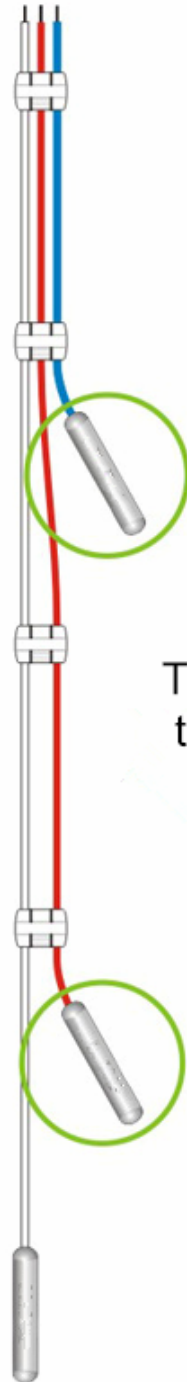
### XI'AN PROZA ELECTRONIC TECHNOLOGY CO., LTD.

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## Installation:



The probe must be kept away from the public wire without touch.

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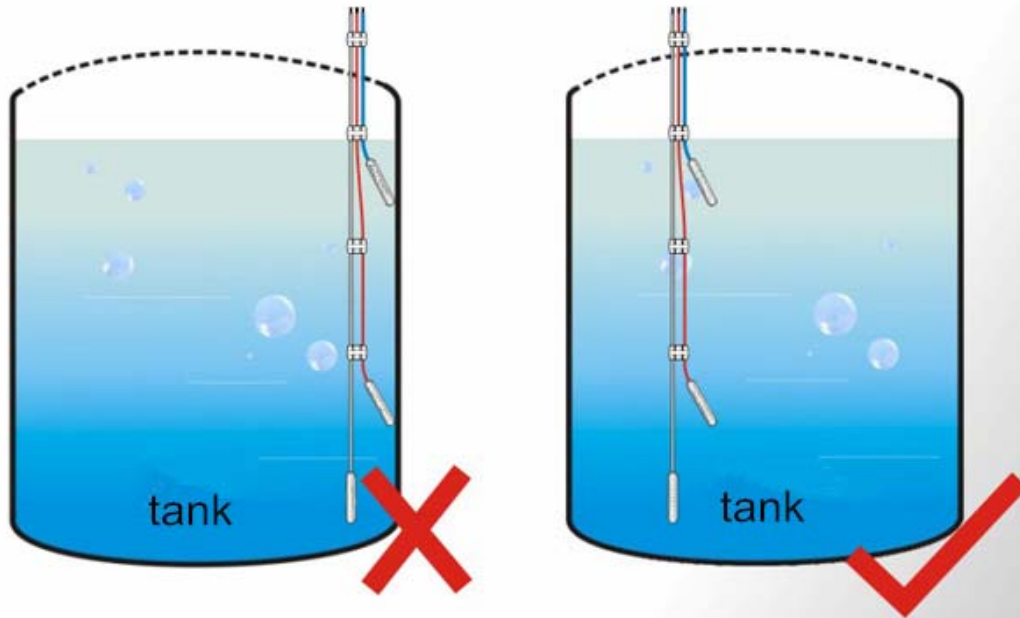
QiHangJiaYuan Plaza, Block A, 12# Building, Room 704,  
FengDong New Town, Xi'an 710086, China.

Tel.: +86.29.8911 7729  
Fax: +86.29.8911 7729

website: [www.prozasensor.com](http://www.prozasensor.com)  
email: [sales@prozasensor.com](mailto:sales@prozasensor.com)

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The probe should not be in contact with the inner wall of the tank.

## Installation caution:

1. The probe must be submerged into water to measure the level. It is strictly prohibited to get the probe and the public pole short circuited directly when measurement.
2. Keep the signal wires at least 10cm away from any strong power wire.
3. Do not use other brands of electrode level sensor. The output signal of different brands is inconsistent that will affect the operation of the controller.
4. When wires of standard level sensor are not long enough, customer can extend the wires by themselves. In order to avoid the controller failure and lightning interference, please pay attention to chose wires with good shielding performance, such as network shielding wires. Please ensure each extended wires will not be short circuited, that is, the insulation resistance should be bigger than  $4M\Omega$  when do the short-circuit test. Please also make sure it will not affect the controller when the feeder point is immersed to water.
5. The level sensors soaked in water for a long time should be taken out from tank and cleaned regularly.
6. In case, there is any breakage and damage on the wire, please replace the sensor timely to avoid the short circuit. ( The insulation resistance of the wires immersed in the water tank shall be bigger than  $2M\Omega$ . )

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